Overview Of Research Project

Research Project Name
Object Oriented Programming From Daily Life Perspective

Goal
This research project aims to achieve the understanding of Object-Oriented Programming and its four-pillar fundamental concepts: Abstraction, Inheritance, Encapsulation, and Polymorphism by explaining theoretically and analyzing the daily life habit: mobile communication.

Requirement
- Basic Object-Oriented Programming knowledge: class, object, collaboration, etc.
- Basic understanding of Mobile Communication Network

Plan
1. Giving an overview of Object-Oriented Programming concepts: Abstraction, Inheritance, Encapsulation, and Polymorphism
2. Analyzing the Mobile Communication Technology
3. Explaining the Mobile Communication Generation
4. Presenting the Abstraction concept based on step 2 above
5. Presenting the thinking of Inheritance and Polymorphism in daily life by using the Mobile Communication Generation definition.
6. Giving an example of Encapsulation with the data security in our phone

Research question
- Beside from software designing, can we apply Object-Oriented style of thinking in daily life?
- How to explain a daily phenomenon in Object-Oriented style?

Resource
Google Scholar, Sci-hub, etc.